

ADVANCED TEST REACTOR USERS ORGANIZATION

Welcomes You To The 2011 Users Week

Purpose Of Users Organization

- * Exchange information and advice between the ATR NSUF investigators and management
- * Serve as an advocacy group for the experimental activities at the ATR NSUF
- * Provide a communication channel among users of the ATR NSUF
- * Educate the public and decision makers on the benefits of Nuclear Energy

1st Year of UO

- * UO was constituted in 2011
- * 1st Users Week Since UO Formed

Executive Committee of Users Organization

- * Chair: Jeff Terry – Illinois Institute of Technology
- * Secretary: Dave Senior – Pacific Northwest National Laboratory
- * Regular Members:
 - Denis Beller – University of Nevada, Las Vegas
 - Sean McDeavitt – Texas A&M
 - K. L. Murty – North Carolina State
- * Student Member:
 - Peng Xu – University of Wisconsin, Madison

Executive Committee

- * Will Meet 4 Times Per Year
 - * At the ATR NSUF Users Week
 - * At an ATR NSUF partner facility
 - * At INL
 - * At a major society meeting (ANS, TMS, etc.)

Agenda

- * ATR Budget
- * Schedule Meeting
- * 2012 Users Meeting
- * Educational Outreach
- * Membership Drive

ATR Budget

- * ATR NSUF Is Finally A Line Item In the FY12 Presidential Budget
- * Only User Facility Dedicated To NE
 - * In Reactor Experiments
 - * Activated Materials
 - * 9 Partner Facilities
 - * Only UF With Partners



UF Budgets

UF Budgets

* ATR Does Most Expensive Experiments

UF Budgets

- * ATR Does Most Expensive Experiments
 - * Spallation Neutron Source - \$195M

UF Budgets

- * ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M

- * Advanced Photon Source - \$145M

UF Budgets

- * ATR Does Most Expensive Experiments
 - * Spallation Neutron Source - \$195M
 - * Advanced Photon Source - \$145M
 - * Linac Coherent Light Source - \$128M

UF Budgets

- * ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M

UF Budgets

- * ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M

UF Budgets

- * ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M
- * Stanford Synchrotron - \$42M

UF Budgets

* ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M
- * Stanford Synchrotron - \$42M
- * National Synchrotron - \$41M

UF Budgets

* ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M
- * Stanford Synchrotron - \$42M
- * National Synchrotron - \$41M
- * Center Nanoscale Materials - \$25M

UF Budgets

* ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M
- * Stanford Synchrotron - \$42M
- * National Synchrotron - \$41M
- * Center Nanoscale Materials - \$25M
- * Center Functional Nanomaterials - \$25M

UF Budgets

* ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M
- * Stanford Synchrotron - \$42M
- * National Synchrotron - \$41M
- * Center Nanoscale Materials - \$25M
- * Center Functional Nanomaterials - \$25M
- * Center Nanophase Materials - \$24M

UF Budgets

* ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M
- * Stanford Synchrotron - \$42M
- * National Synchrotron - \$41M
- * Center Nanoscale Materials - \$25M
- * Center Functional Nanomaterials - \$25M
- * Center Nanophase Materials - \$24M
- * Molecular Foundry - \$24M

UF Budgets

* ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M
- * Stanford Synchrotron - \$42M
- * National Synchrotron - \$41M
- * Center Nanoscale Materials - \$25M
- * Center Functional Nanomaterials - \$25M
- * Center Nanophase Materials - \$24M
- * Molecular Foundry - \$24M
- * Center Integrated Nanotechnologies - \$24M

UF Budgets

* ATR Does Most Expensive Experiments

- * Spallation Neutron Source - \$195M
- * Advanced Photon Source - \$145M
- * Linac Coherent Light Source - \$128M
- * Advanced Light Source - \$71M
- * High Flux Isotope Reactor - \$68M
- * Stanford Synchrotron - \$42M
- * National Synchrotron - \$41M
- * Center Nanoscale Materials - \$25M
- * Center Functional Nanomaterials - \$25M
- * Center Nanophase Materials - \$24M
- * Molecular Foundry - \$24M
- * Center Integrated Nanotechnologies - \$24M
- * ATR NSUF - \$15M

Meetings

- * UNLV has volunteered to be the Partner Site Host in 2011
- * ANS Winter Meeting - Washington DC

2012 User Meeting

- * Idaho Falls
 - * Sponsors For Poster Awards
 - * Vendor Show
 - * Ratio of Results/Workshops

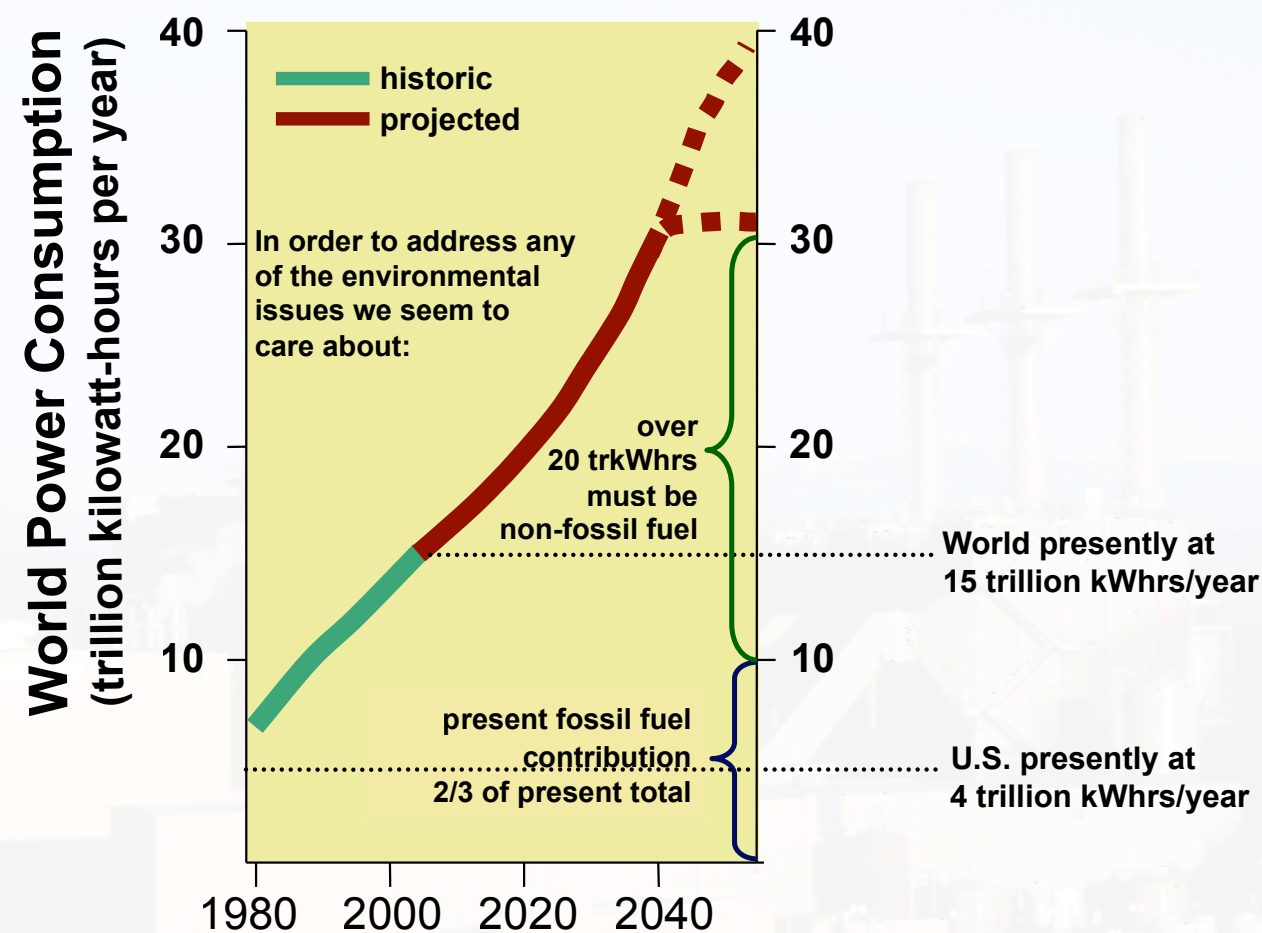
Educational Outreach



* Has Not Been Best Year For Nuclear

Educational Outreach

- * Twitter - @ATRNSUOChair
- * <http://nuclearstreet.com/advanced-test-reactor-national-scientific-user-group/default.aspx>



Educational Outreach

Note to UN: Access to A Secure and Stable Energy Supply
Is A Fundamental Human Right, not internet access



The Future

or the 1800s



The Future

Reactors Coming Off The Assembly Line

ATR Research

- * PWR Sustainability
- * New Reactors
 - * Materials
 - * Fuels
- * Waste
- * Imagination
 - * We cannot make mistakes

Users Organization

- * Membership Open To All Parties Interested In Using The Advanced Test Reactor Or The Partner Facilities
- * You Must Sign Up If Interested
- * Contact Me (terryj@iit.edu) For The Time Being

Enjoy Users Week

* Questions